

Chapter 8. State Indicators

8-14 Public High School Students Scoring 3 or Higher on the Advanced Placement Calculus AB Exam

Description

The Advanced Placement (AP) Calculus AB exam seeks to assess how well a student has mastered the concepts and techniques of differential and integral calculus. The indicator value is defined as the percentage of U.S. public high school graduates who have scored 3 or higher on the AP Calculus AB exam during their high school careers and is a subset of 8-13. Many colleges and universities grant college credit or advanced placement for AP exam scores of 3 or higher.

AP courses in calculus consist of a full high school academic year of work and are comparable to calculus courses taught at colleges and universities. Prior to taking an AP Calculus course, students are expected to have completed 4 years of secondary mathematics intended for college-bound students consisting of courses in algebra, geometry, trigonometry, analytic geometry, and elementary functions. Even though a Calculus AB course may cover elementary functions, most of its topics will address differential and integral calculus. The use of a graphing calculator in AP Calculus is considered an integral part of the course, and graphing calculators are required on portions of the AP Exam.

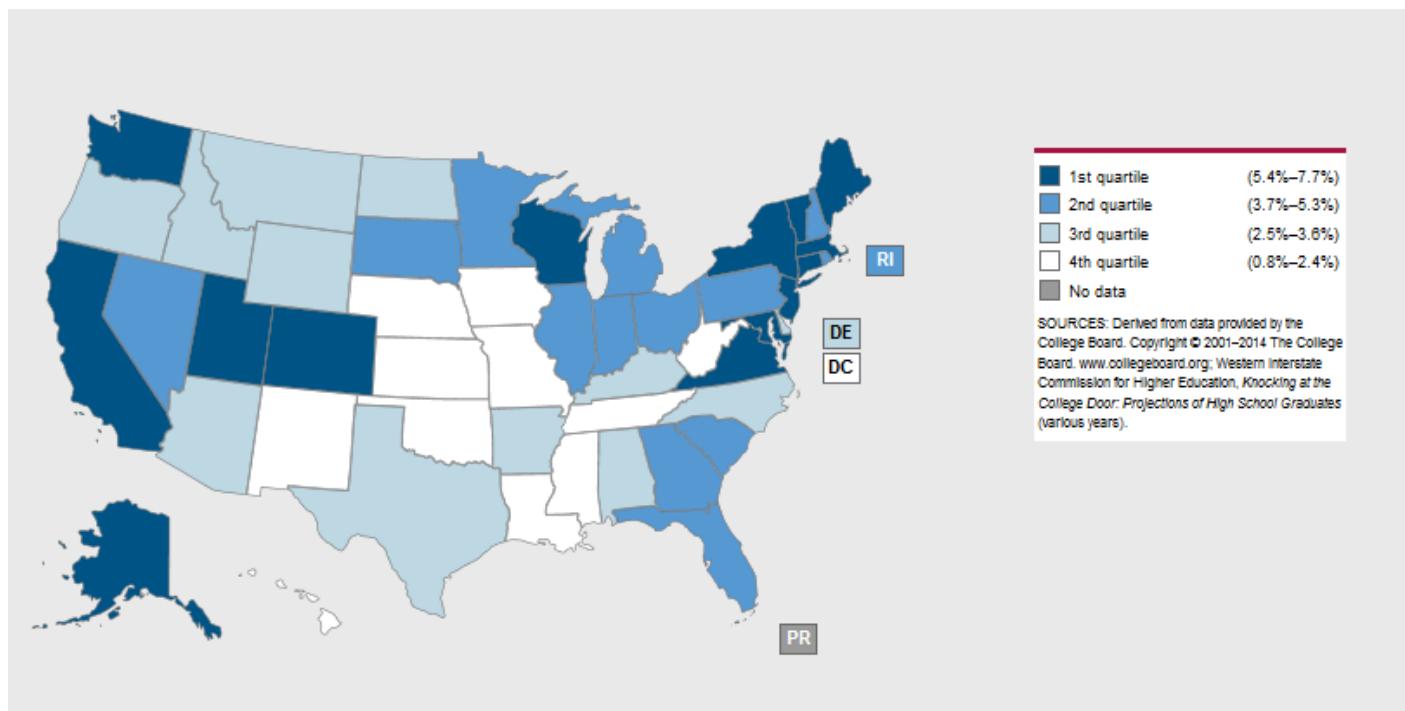
Throughout the United States, more than 1 million public school students from the class of 2014 took more than 3.2 million AP Exams during their high school careers in the 13,580 U.S. public high schools that participated in the AP program. Successful performance on the Calculus AB exam indicates that the student has a solid mathematical background and is prepared to undertake advanced training in mathematics, science, or engineering at the college or university level.

Findings

- Nationally, the share of the graduating class that demonstrated a mastery of Calculus AB by scoring a 3 or higher on the AP Exam increased from 2.9% in 2004 to 4.6% in 2014.
- Values for individual states ranged from a low of 0.8% to a high of 7.7% for the class of 2014.
- Between 2004 and 2014, the percentage of 2014 high school graduates that demonstrated their ability in Calculus AB increased by more than 2.5 percentage points in the states of Alaska, California, Colorado, Connecticut, Maryland, Vermont, and Virginia as compared with the class of 2004.
- Because the percentages are small, year-to-year comparisons should be made with caution. Variability in students' course selection and level of performance can affect the numbers.

8-14 Public High School Students Scoring 3 or Higher on the Advanced Placement Calculus AB Exam

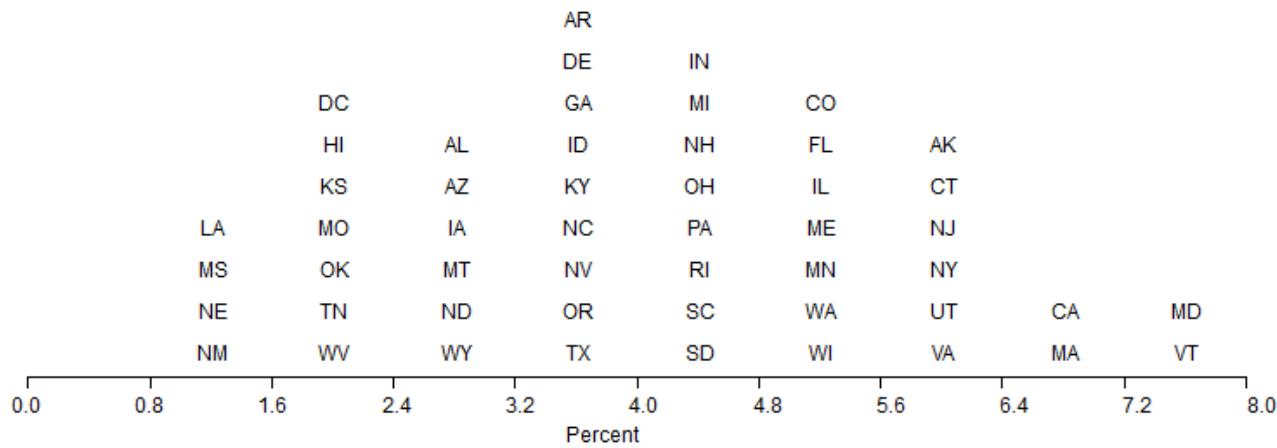
Year: 2014



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Year: 2014

Distribution of states across indicator values



Histograms do not display states with extreme values. Please consult the data tables for exact indicator values for each state.

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Table 8-14 Public High School Students Scoring 3 or Higher on the Advanced Placement Calculus AB Exam

State	High school graduates who scored 3+ on the Advanced Placement Calculus AB Exam (Percent)												
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
United States	2.8	3.1	3.2	2.9	3.0	3.3	3.3	3.5	3.5	3.4	3.5	3.9	4.3
Alabama	1.0	1.1	1.1	0.9	1.0	1.3	1.4	1.5	1.6	1.7	1.9	2.2	2.5
Alaska	3.3	3.8	3.7	3.2	3.9	4.1	4.1	4.7	4.5	4.5	5.0	5.1	5.3
Arizona	1.8	1.8	1.9	1.9	1.6	1.8	2.0	1.8	1.9	2.1	2.1	2.5	2.7
Arkansas	1.0	1.2	1.4	1.4	1.5	2.0	1.9	2.2	2.0	2.2	2.3	3.0	3.2
California	3.6	3.9	3.9	3.8	4.0	4.6	4.5	4.7	4.9	4.8	4.9	5.5	6.2
Colorado	2.8	2.8	2.9	2.8	2.9	3.2	3.7	4.0	4.1	4.3	4.2	4.6	4.6
Connecticut	3.7	4.0	3.8	3.6	3.6	4.1	4.3	4.5	4.9	4.9	5.1	5.7	6.2
Delaware	3.3	4.1	4.5	3.8	3.4	3.7	3.9	3.8	3.8	3.6	3.2	2.4	2.6
District of Columbia	0.5	1.5	1.7	1.1	1.4	1.1	1.0	0.8	1.1	1.2	1.1	1.0	1.7
Florida	3.0	3.2	3.2	3.1	3.0	3.2	3.2	3.3	3.2	3.3	3.2	4.0	4.2
Georgia	2.9	3.2	3.2	2.7	2.8	3.3	3.2	3.6	3.3	3.1	3.1	3.7	3.6
Hawaii	1.9	2.1	2.1	2.0	1.8	2.0	1.8	2.0	1.7	2.0	1.5	2.2	2.5
Idaho	1.7	2.1	2.3	2.3	2.5	2.6	2.5	2.7	2.8	3.0	2.8	2.7	3.1
Illinois	3.2	3.3	3.6	3.3	3.3	3.6	3.6	3.8	3.8	4.0	4.1	4.5	4.8
Indiana	2.8	3.1	2.9	2.5	2.4	2.9	3.0	3.4	3.3	3.2	3.5	4.1	4.3
Iowa	1.5	1.7	1.6	1.7	1.5	1.8	1.7	1.8	1.8	1.8	2.1	2.3	2.2
Kansas	1.4	1.5	1.6	1.7	1.7	1.9	1.9	2.2	2.1	2.2	2.3	2.2	2.4
Kentucky	1.8	2.1	2.1	2.0	2.0	2.4	2.3	2.5	2.5	2.6	2.8	3.1	3.5
Louisiana	0.5	0.4	0.4	0.3	0.3	0.3	0.5	0.6	0.7	0.7	0.8	0.7	0.9
Maine	3.1	3.6	3.0	3.3	3.8	4.1	4.1	4.2	4.5	4.7	4.4	5.1	5.4
Maryland	3.4	3.8	4.3	3.9	4.1	4.4	4.5	4.7	5.1	5.3	5.6	6.3	7.1
Massachusetts	4.0	4.5	4.8	4.4	4.4	4.8	5.0	5.3	5.3	5.3	5.7	6.3	6.8
Michigan	2.7	3.1	3.1	3.0	2.9	3.2	3.1	3.3	3.3	3.3	3.4	3.8	4.0

High school graduates who scored 3+ on the Advanced Placement Calculus AB Exam (Percent)

State	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Minnesota	3.2	3.4	3.4	3.4	3.3	3.4	3.5	3.9	4.0	3.9	4.1	4.7	5.1
Mississippi	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.5	0.5	0.6	0.8
Missouri	1.0	1.2	1.2	1.1	1.2	1.4	1.2	1.3	1.4	1.4	1.3	1.6	1.7
Montana	1.3	2.1	1.9	1.6	1.7	1.9	1.9	1.9	1.9	2.2	2.2	2.4	2.6
Nebraska	0.6	0.8	0.6	0.7	0.7	0.9	0.8	1.0	1.2	1.2	1.3	1.6	1.5
Nevada	2.1	2.2	2.8	2.6	2.8	3.3	3.1	3.0	3.1	2.6	2.7	2.4	3.2
New Hampshire	3.2	3.7	3.6	3.4	2.8	3.7	4.0	4.4	4.6	3.9	4.3	4.3	4.7
New Jersey	3.8	4.1	4.1	3.7	3.7	4.0	4.0	4.2	4.4	4.3	4.6	5.3	5.6
New Mexico	1.6	1.8	1.8	1.8	1.6	1.6	1.8	1.7	1.6	1.6	1.4	1.5	1.5
New York	5.1	5.8	5.8	5.0	4.7	5.0	4.8	5.0	4.6	4.7	4.7	5.0	5.5
North Carolina	3.7	3.9	4.0	3.5	3.4	3.6	3.7	3.8	3.5	3.3	3.3	3.4	3.5
North Dakota	1.5	1.7	1.5	1.7	1.6	1.9	2.4	2.1	1.3	1.8	2.3	2.3	2.8
Ohio	2.4	2.8	2.9	2.6	2.8	3.0	2.9	3.0	3.0	3.0	3.1	3.5	3.8
Oklahoma	1.5	1.4	1.5	1.3	1.0	1.4	1.3	1.5	1.4	1.2	1.2	1.5	1.8
Oregon	1.9	2.0	2.3	2.0	2.1	2.1	2.5	2.7	2.6	2.6	2.6	3.1	3.2
Pennsylvania	2.5	2.7	2.6	2.5	2.6	2.8	2.9	3.1	3.2	3.2	3.2	3.6	3.9
Rhode Island	1.6	2.1	2.0	1.9	2.0	1.7	2.3	2.7	2.9	3.1	2.7	3.1	3.6
South Carolina	4.2	4.7	4.4	3.6	3.9	4.0	3.7	3.8	3.6	3.2	3.1	3.2	3.9
South Dakota	2.6	3.0	3.2	3.2	3.1	3.3	3.6	3.3	3.8	3.3	3.7	3.8	4.2
Tennessee	1.6	1.7	1.9	1.5	1.4	1.5	1.4	1.6	1.3	1.3	1.2	1.5	1.5
Texas	2.0	2.3	2.4	2.3	2.2	2.6	2.6	2.8	2.7	2.6	2.6	2.8	3.0
Utah	4.8	4.8	5.5	4.7	4.5	5.1	4.9	5.5	4.9	5.2	5.6	5.5	6.3
Vermont	3.5	4.0	4.1	4.2	4.1	5.0	5.2	5.6	5.5	5.7	5.0	6.1	6.3
Virginia	3.6	4.1	3.7	3.5	3.5	3.9	4.0	4.3	4.3	4.2	4.5	5.2	6.0
Washington	3.1	3.3	3.6	3.4	3.7	4.0	4.1	4.5	4.6	4.5	4.6	4.9	5.2
West Virginia	1.3	1.3	1.5	1.4	1.3	1.7	1.4	1.3	1.4	1.3	1.4	1.8	1.9
Wisconsin	3.1	3.7	3.6	3.4	3.6	3.6	3.7	4.2	4.1	4.0	4.2	4.6	5.1
Wyoming	2.2	1.8	2.0	1.9	1.6	1.7	2.6	2.2	2.5	2.4	2.9	2.9	2.4

High school graduates who scored 3+ on the Advanced Placement Calculus AB Exam (Percent)

State	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Puerto Rico	NA												

NA = not available.

NOTE: The national graduate total for the United States is the reported value in the *Knocking at the College Door: Projections of High School Graduates*.

SOURCES: Derived from data provided by the College Board. Copyright © 2001–2014 The College Board. www.collegeboard.org; Western Interstate Commission for Higher Education, *Knocking at the College Door: Projections of High School Graduates* (various years).

Science and Engineering Indicators 2016

Public high school graduates who scored 3+ on the Advanced Placement Calculus AB Exam

State	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
United States	72,762	81,293	86,044	81,258	82,769	92,248	95,338	104,772	105,308	105,952	109,423	120,469	129,066
Alabama	375	396	400	344	359	476	562	627	660	712	817	977	1,114
Alaska	224	263	271	235	272	301	316	369	357	347	377	399	385
Arizona	831	863	944	852	978	995	1,144	1,103	1,175	1,303	1,316	1,565	1,660
Arkansas	284	318	378	390	410	579	514	636	558	625	663	851	876
California	11,486	12,866	13,434	13,155	14,059	15,698	15,989	17,448	18,097	18,548	19,200	21,294	23,216
Colorado	1,112	1,129	1,215	1,267	1,298	1,411	1,700	1,848	1,959	2,124	2,166	2,315	2,280
Connecticut	1,111	1,309	1,288	1,238	1,266	1,468	1,598	1,714	1,722	1,831	1,942	2,110	2,244
Delaware	216	268	304	262	234	271	278	280	299	291	260	205	215
District of Columbia	14	47	45	33	40	32	29	28	40	37	34	32	54
Florida	3,373	3,812	4,072	4,022	3,943	4,290	4,600	4,987	4,979	5,045	5,110	5,948	6,391
Georgia	1,839	2,130	2,158	1,845	2,005	2,404	2,515	3,038	2,871	2,699	2,680	3,112	3,154
Hawaii	187	224	212	203	197	220	199	229	198	215	165	240	262
Idaho	276	326	367	353	390	414	400	454	473	516	487	465	515
Illinois	3,578	3,823	4,249	4,095	4,139	4,619	4,706	5,113	5,063	5,269	5,439	6,129	6,551
Indiana	1,547	1,733	1,667	1,423	1,352	1,667	1,819	2,081	2,105	2,044	2,300	2,588	2,709
Iowa	520	584	553	572	515	601	589	625	612	608	690	757	690
Kansas	409	434	492	515	509	567	566	676	649	693	707	680	722
Kentucky	674	748	803	771	767	926	889	1,003	1,063	1,074	1,171	1,273	1,415
Louisiana	174	146	145	127	104	110	164	195	236	231	283	249	318
Maine	386	453	390	432	499	535	542	598	634	648	608	682	707
Maryland	1,684	1,924	2,229	2,040	2,194	2,432	2,590	2,765	2,955	3,095	3,231	3,672	4,094
Massachusetts	2,194	2,467	2,697	2,547	2,628	2,952	3,212	3,482	3,485	3,435	3,644	4,010	4,282
Michigan	2,638	2,906	3,145	2,975	2,984	3,272	3,501	3,755	3,751	3,838	3,760	4,096	4,208
Minnesota	1,784	1,954	2,001	1,981	1,927	2,025	2,079	2,328	2,368	2,359	2,455	2,705	2,877
Mississippi	135	163	149	141	143	144	164	206	181	121	143	149	206
Missouri	521	648	685	646	679	807	727	830	869	920	833	972	1,016
Montana	136	219	199	171	179	197	189	200	193	216	212	230	235

Public high school graduates who scored 3+ on the Advanced Placement Calculus AB Exam

State	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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NA = not available.

NOTE: The national graduate total for the United States is the reported value in the *Knocking at the College Door: Projections of High School Graduates*.

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Science and Engineering Indicators 2016

State	High school graduates												
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
United States	2,569,200	2,621,534	2,719,947	2,759,889	2,799,250	2,813,412	2,893,045	3,001,337	3,039,015	3,074,608	3,101,815	3,053,966	3,023,991
Alabama	37,082	35,887	36,741	36,464	37,453	37,918	38,912	41,346	42,082	42,770	44,079	44,317	44,044
Alaska	6,812	6,945	7,297	7,236	6,909	7,361	7,666	7,855	8,008	7,746	7,581	7,813	7,289
Arizona	46,733	47,175	49,986	45,508	59,498	54,091	55,954	61,667	62,374	62,799	63,441	61,958	60,799
Arkansas	27,100	26,984	27,555	27,181	26,621	28,790	27,166	28,725	28,057	28,592	28,458	27,990	27,492
California	315,189	325,895	341,097	343,480	355,217	343,515	356,641	374,561	372,310	385,324	394,926	384,080	376,369
Colorado	39,241	40,760	42,379	44,777	44,532	44,424	45,628	46,082	47,459	49,887	51,683	50,176	49,641
Connecticut	30,388	32,327	33,667	34,573	35,515	36,222	37,541	38,419	34,968	37,102	37,759	36,836	36,267
Delaware	6,614	6,482	6,817	6,951	6,934	7,275	7,205	7,388	7,839	7,985	8,142	8,395	8,192
District of Columbia	2,808	3,090	2,725	3,031	2,781	2,863	2,944	3,352	3,517	3,131	3,150	3,194	3,185
Florida	111,112	119,537	127,484	131,418	133,318	134,686	142,284	149,046	153,461	153,429	157,676	149,219	150,854
Georgia	62,499	65,983	66,890	68,550	70,834	73,498	77,829	83,505	88,003	85,929	87,821	84,813	87,151
Hawaii	10,102	10,452	10,013	10,324	10,813	10,922	11,063	11,613	11,508	10,807	11,037	10,990	10,647
Idaho	15,941	15,874	15,858	15,547	15,768	16,096	16,242	16,567	16,807	17,207	17,292	17,043	16,774
Illinois	110,624	116,657	117,507	124,763	123,615	126,817	130,220	135,143	131,670	133,315	133,978	135,636	135,204
Indiana	56,172	56,722	57,897	56,008	55,444	57,920	59,887	61,901	63,663	63,377	64,812	63,354	63,524
Iowa	33,774	33,789	34,860	34,339	33,547	33,693	34,127	34,573	33,926	34,618	33,624	32,833	31,882
Kansas	29,360	29,541	29,963	30,155	30,355	29,818	30,139	30,737	30,368	31,054	30,728	30,428	30,231
Kentucky	36,957	36,337	37,654	37,787	38,399	38,449	39,099	39,339	41,851	41,670	42,202	41,038	40,528
Louisiana	38,314	37,905	37,610	37,019	36,009	33,275	34,274	34,401	35,622	35,458	35,003	35,501	36,391
Maine	12,654	12,593	12,947	13,278	13,077	12,950	13,151	14,350	14,093	13,705	13,689	13,468	13,115
Maryland	49,222	50,881	51,864	52,870	54,170	55,536	57,564	59,171	58,304	58,340	57,662	58,009	57,742
Massachusetts	54,393	55,272	55,987	58,326	59,665	61,272	63,903	65,197	65,258	64,317	64,043	63,701	63,166
Michigan	96,515	95,001	100,301	98,823	101,582	102,582	111,838	115,183	112,742	114,855	111,731	107,956	105,971
Minnesota	56,581	57,440	59,432	59,096	58,391	58,898	59,497	60,409	59,729	60,347	59,669	57,486	56,534
Mississippi	23,748	23,740	23,810	23,735	23,523	23,848	24,186	24,795	24,505	25,727	26,438	25,756	25,741
Missouri	54,138	54,487	56,925	57,983	57,841	58,417	60,275	61,717	62,969	63,460	62,238	61,471	60,432
Montana	10,628	10,554	10,657	10,500	10,335	10,283	10,122	10,396	10,077	9,890	9,655	9,466	9,083

State	High school graduates												
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Nebraska	19,658	19,910	20,161	20,309	19,940	19,764	19,873	20,035	19,501	20,049	20,073	19,656	19,210
Nevada	15,127	16,270	16,378	15,201	15,740	16,455	17,149	18,815	19,904	21,314	24,150	25,710	23,097
New Hampshire	12,294	12,452	13,210	13,309	13,775	13,988	14,452	14,982	14,757	14,693	14,136	13,917	13,789
New Jersey	76,130	77,664	81,391	83,826	86,502	90,049	93,013	94,994	95,085	96,513	95,210	93,211	92,978
New Mexico	18,199	18,094	16,923	17,892	17,353	17,822	16,131	18,264	17,931	18,092	18,511	18,141	18,040
New York	141,884	140,139	143,818	148,511	153,203	161,817	168,333	176,310	180,917	178,956	181,770	181,454	176,819
North Carolina	63,288	65,955	69,696	72,126	75,010	76,710	76,031	83,307	86,712	84,811	86,788	88,421	88,338
North Dakota	8,445	8,114	8,169	7,888	7,555	7,192	7,159	6,999	7,232	7,106	7,019	6,785	6,769
Ohio	111,281	110,608	115,762	119,029	116,702	117,356	117,658	120,758	122,203	122,117	121,789	119,318	117,354
Oklahoma	37,458	36,852	36,694	36,799	36,227	36,497	37,100	37,630	37,219	38,414	38,044	37,792	37,260
Oregon	29,939	31,153	32,587	32,958	32,602	32,394	33,446	34,949	35,138	35,786	35,938	34,662	34,659
Pennsylvania	114,436	114,943	119,933	123,474	124,758	126,681	128,603	130,298	130,658	130,768	130,390	127,773	125,264
Rhode Island	8,603	9,006	9,318	9,258	9,881	10,108	10,384	10,347	10,028	10,113	9,929	9,809	9,445
South Carolina	30,026	31,302	32,482	33,235	33,439	34,274	35,108	35,303	39,114	39,043	39,168	39,496	38,712
South Dakota	8,881	8,796	8,999	9,001	8,585	8,589	8,346	8,582	8,123	8,181	8,548	8,345	8,226
Tennessee	40,642	40,894	44,113	46,096	47,967	50,880	54,502	57,486	60,368	60,320	61,486	60,444	59,479
Texas	215,316	225,167	238,111	244,165	239,717	240,485	241,193	252,121	264,275	273,117	278,253	279,291	282,244
Utah	31,036	30,183	29,527	30,252	30,253	29,050	28,276	28,167	30,463	30,749	30,040	30,229	31,049
Vermont	6,856	7,083	6,970	7,100	7,152	6,779	7,317	7,392	7,209	6,956	6,739	6,827	6,604
Virginia	66,067	66,519	72,943	72,042	73,667	69,597	73,997	77,369	79,651	79,854	80,570	80,354	79,206
Washington	55,081	58,311	60,435	61,274	61,094	60,213	62,801	61,625	62,764	66,531	66,478	64,002	63,354
West Virginia	18,440	17,128	17,287	17,339	17,137	16,763	17,407	17,489	17,690	17,490	17,252	17,017	17,280
Wisconsin	59,341	60,575	63,272	63,251	63,229	63,003	63,968	65,183	65,410	64,639	63,294	62,111	60,254
Wyoming	6,071	6,106	5,845	5,833	5,616	5,527	5,441	5,494	5,493	5,504	5,565	5,538	5,201

High school graduates

State	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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NA = not available.

NOTE: The national graduate total for the United States is the reported value in the *Knocking at the College Door: Projections of High School Graduates*.

SOURCES: Derived from data provided by the College Board. Copyright © 2001–2014 The College Board. www.collegeboard.org; Western Interstate Commission for Higher Education, *Knocking at the College Door: Projections of High School Graduates* (various years).

Science and Engineering Indicators 2016

State	High school graduates who scored 3+ on the Advanced Placement Calculus AB Exam (Percent)	
	2014	
United States	4.6	
Alabama	2.5	
Alaska	5.9	
Arizona	2.7	
Arkansas	3.2	
California	6.8	
Colorado	5.4	
Connecticut	6.2	
Delaware	3.3	
District of Columbia	1.8	
Florida	4.8	
Georgia	3.7	
Hawaii	2.2	
Idaho	3.3	
Illinois	5.3	
Indiana	4.7	
Iowa	2.4	
Kansas	2.3	
Kentucky	3.6	
Louisiana	0.9	
Maine	5.5	
Maryland	7.7	
Massachusetts	6.9	
Michigan	4.5	
Minnesota	5.3	
Mississippi	0.8	
Missouri	1.8	
Montana	2.5	
Nebraska	1.5	

State	High school graduates who scored 3+ on the Advanced Placement Calculus AB Exam (Percent)	
	2014	
Nevada		3.7
New Hampshire		4.6
New Jersey		6.0
New Mexico		1.5
New York		5.7
North Carolina		3.5
North Dakota		2.7
Ohio		4.0
Oklahoma		1.7
Oregon		3.2
Pennsylvania		4.3
Rhode Island		4.1
South Carolina		4.2
South Dakota		4.2
Tennessee		1.7
Texas		3.3
Utah		5.6
Vermont		7.2
Virginia		6.1
Washington		5.5
West Virginia		1.8
Wisconsin		5.4
Wyoming		2.7
Puerto Rico		NA

High school graduates who scored 3+ on the Advanced Placement Calculus AB Exam (Percent)

State	2014
NA = not available.	
NOTE: The national graduate total for the United States is the reported value in the <i>Knocking at the College Door: Projections of High School Graduates</i> .	SOURCES: Derived from data provided by the College Board. Copyright © 2001–2014 The College Board. www.collegeboard.org ; Western Interstate Commission for Higher Education, <i>Knocking at the College Door: Projections of High School Graduates</i> (various years).

Science and Engineering Indicators 2016

Public high school graduates who scored 3+ on the Advanced Placement Calculus AB Exam

State	2014
United States	133,725
Alabama	1,048
Alaska	423
Arizona	1,641
Arkansas	876
California	24,578
Colorado	2,595
Connecticut	2,185
Delaware	262
District of Columbia	55
Florida	6,839
Georgia	3,209
Hawaii	225
Idaho	571
Illinois	6,810
Indiana	2,933
Iowa	770
Kansas	688
Kentucky	1,383
Louisiana	335
Maine	698
Maryland	4,218
Massachusetts	4,251
Michigan	4,416
Minnesota	2,954
Mississippi	206
Missouri	1,047
Montana	229
Nebraska	273

State	Public high school graduates who scored 3+ on the Advanced Placement Calculus AB Exam	
	2014	
Nevada		772
New Hampshire		620
New Jersey		5,496
New Mexico		266
New York		9,938
North Carolina		2,999
North Dakota		182
Ohio		4,551
Oklahoma		631
Oregon		1,103
Pennsylvania		5,236
Rhode Island		379
South Carolina		1,566
South Dakota		345
Tennessee		968
Texas		8,953
Utah		1,786
Vermont		454
Virginia		4,694
Washington		3,416
West Virginia		294
Wisconsin		3,215
Wyoming		143
Puerto Rico		NA

Public high school graduates who scored 3+ on the Advanced Placement Calculus AB Exam

State	2014
NA = not available.	
NOTE: The national graduate total for the United States is the reported value in the <i>Knocking at the College Door: Projections of High School Graduates</i> .	SOURCES: Derived from data provided by the College Board. Copyright © 2001–2014 The College Board. www.collegeboard.org ; Western Interstate Commission for Higher Education, <i>Knocking at the College Door: Projections of High School Graduates</i> (various years).

Science and Engineering Indicators 2016

High school graduates

2014

State		
United States		2,937,575
Alabama		42,440
Alaska		7,160
Arizona		59,745
Arkansas		27,805
California		362,716
Colorado		48,384
Connecticut		35,253
Delaware		7,941
District of Columbia		2,974
Florida		143,753
Georgia		86,706
Hawaii		10,347
Idaho		17,214
Illinois		128,162
Indiana		62,753
Iowa		31,564
Kansas		29,897
Kentucky		38,729
Louisiana		37,034
Maine		12,743
Maryland		55,109
Massachusetts		62,018
Michigan		98,811
Minnesota		55,752
Mississippi		24,267
Missouri		58,259
Montana		9,102
Nebraska		18,761

High school graduates

2014

State		
Nevada		20,597
New Hampshire		13,569
New Jersey		92,103
New Mexico		17,678
New York		173,501
North Carolina		85,372
North Dakota		6,653
Ohio		113,220
Oklahoma		36,657
Oregon		34,545
Pennsylvania		122,720
Rhode Island		9,270
South Carolina		37,439
South Dakota		8,220
Tennessee		57,773
Texas		275,057
Utah		31,732
Vermont		6,278
Virginia		76,426
Washington		61,898
West Virginia		16,463
Wisconsin		59,026
Wyoming		5,238
Puerto Rico		NA

State	2014
NA = not available. NOTE: The national graduate total for the United States is the reported value in the <i>Knocking at the College Door: Projections of High School Graduates</i> .	High school graduates SOURCES: Derived from data provided by the College Board. Copyright © 2001–2014 The College Board. www.collegeboard.org ; Western Interstate Commission for Higher Education, <i>Knocking at the College Door: Projections of High School Graduates</i> (various years). <i>Science and Engineering Indicators 2016</i>